

***This integrated RFID reader provides a wide selection of connectivity, including 3G/GSM/GPRS, SMS, Ethernet, USB and Serial.***

This integrated RFID reader provides a wide selection of connectivity, including 3G/GSM/GPRS, SMS, Ethernet, USB and Serial (RS232). With built-in GPS, the location of the reader can be identified when used outdoors. This ruggedized plug and play reader features a long read range and high read rate and can be deployed in all environments, mobile or stationary, remote or local, outdoor or indoor. It can be used in highway toll station, bus stops, container ports, slaughter houses, warehouse dock doors, forklifts, parking lot gates, on board waste disposal vehicles and livestock farm. It offers either left hand or right hand circular polarization allowing it to be deployed in the most extreme dense reader environment – face to face close range deployment.



## **Key Features**

- ✓ 3G mobile connectivity
- ✓ Global Positioning System (GPS)
- ✓ Integrated reader with embedded edge server
- ✓ Long read range
- ✓ Multiple choices of edge servers with intelligent event engine, and with APIs ranging from high level HTTP to C# to low level C
- ✓ Optional left hand circular polarization and right hand circular polarization for dock door implementation
- ✓ Dense reader mode (DRM) is available.
- ✓ Best breed antenna with excellent axial ratio to give best read zone control

## **Applications**

- ✓ Logistics
- ✓ Asset management
- ✓ Cold chain management
- ✓ Personnel tracking
- ✓ Quality control
- ✓ Waste disposal management
- ✓ Animal tracking
- ✓ Vehicle monitoring
- ✓ Auto toll gates

## Technical Specifications

Dimensions	Length: 300 mm (11.82 in); Width: 300 mm (11.82 in); Thickness: 100 mm (3.94in);
Weight	3.5 kg
Edge Software	Multiple choices of edge servers with intelligent event engine, and with APIs ranging from high level HTTP to C# to low level C.
Operating System	Win CE
Read Range	13 meters
Protocol	ISO18000-6C, EPC UHF Class 1 Gen 2, Dense Reader Mode available (Class 3 Gen 2 compliant)
Frequency Range	One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 922-928 MHz, 920-925MHz, 915-922 MHz
Polarization	Circular Polarization Antenna, choice of LHCP or RHCP
Signaling	LEDs and industrial grade buzzer for read acknowledgement and alert
External Control	4x GPO and 4 x GPI
Environment	Operating Temp: -20 °C to 50°C (-4°F to 122°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 98% Non-condensing
Dust & Water	IP 68, works in outdoor environment
Shock	MIL-STD-810F Method 516.5 Procedure V, 75g, 6ms, 2 shocks per axis
Vibration	MIL-STD-810F Method 514.5 Category 24
Mechanical Impact Resistance	Free falling ball impacting test: 500 g weight of ball in 1 meter height
Connectivity	3G, GSM/GPRS, SMS, Ethernet, USB and Serial (RS232). GPS
Power Supply	DC supply (12 V, 5A), or use POE+ (IEEE802.3at)
Order Code	216026-NXHCP  N=1: 865-868 MHz (Europe) & 865-867 MHz (India), N=2: 902-928 MHz (USA), N=4: 922-928 MHz (Taiwan), N=7: 920-925 MHz (China, Australia, Malaysia, Hong Kong etc.), N=8:

915-922 MHz (Japan)  
X=L: LHCP; X=R: RHCP



## **GAO Group**

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